Using Map Scales

On a map, the scale is 1 cm to 5 km. What do these lengths on the map represent in real-life?

(a)   2 cm   (b)   7 cm

(c)   15 cm   (d)   3.5 cm

(a) 10 km   (b) 35 km
(c) 75 km   (d) 17.5 km

On a map, the scale is 1 cm to 20 m. What do these lengths on the map represent in real-life?

(a)   3 cm   (b)   5 cm

(c)   7.5 cm   (d)   4.6 cm

(a) 60 m   (b) 100 m
(c) 150 m (d) 92 m

On a drawing, the scale is 1 cm to 5 km. What would these real-life distances be on the drawing?

(a)   25 km   (b)   45 km

(c)   150 km   (d)   32.5 km

(a) 5 cm   (b) 9 cm
(c) 30 cm (d) 6.5 cm

On a drawing, the scale is 1 cm : 200 m. What would these real-life distances be on the drawing?

(a)   400 m   (b)   1600 m

(c)   1.8 km   (d)   3 km

(a) 2 cm   (b) 8 cm
(c) 9 cm   (d) 15 cm

A scientist makes a drawing of a cell which is 5.5 cm in length. He uses a scale of 1 : 4. What is the actual length of the cell?

22 cm

On a map, the distance between two villages is 12 cm. In real-life it is 2.4 km. What is the scale? Give your answer in the form 1 cm : ? km

1 cm = 0.2 km

A map has a scale 1 : 5000. If two buildings are 4 cm apart on the map, how far apart are they in real-life? Give your answer in km.

20 000 cm
= 200 m
= 0.2 km